

Appl. No. : 10/510,875
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AMENDMENT TO THE CLAIMS

1. (Currently amended) A kit of parts comprising two or more protein kinase substrate polypeptides, each said substrate polypeptide comprising a specificity conferring portion, wherein the specificity conferring portion is different for each said substrate polypeptide, and a phosphorylatable portion, wherein the phosphorylatable portion of each said substrate polypeptide is SEQ ID NO: 6 having no residues substituted and ~~capable of being~~ is bound in a phosphorylation state sensitive manner by a specific binding partner that is not an antibody specific for phosphotyrosine, phosphoserine or phosphothreonine, said binding partner having specificity for the phosphorylatable portion, either (i) only when the phosphorylatable portion is phosphorylated; or (ii) only when the phosphorylatable portion is not phosphorylated.

2. (Canceled)

3. (Previously Presented) A kit of parts as defined in claim 1 wherein the phosphorylatable portion of at least one said protein kinase substrate polypeptide is phosphorylated.

4. (Previously Presented) The kit of claim 1 wherein each said protein kinase substrate polypeptide is of less than 40, 30, 20, 19, 18, 17, 16, 15, or 14 amino acids in length.

5. (Previously Presented) The kit of claim 4 wherein said protein kinase substrate polypeptide is 13, 12, 11, 10 or 9 amino acids in length.

6. (Previously Presented) The kit of claim 5 wherein the protein kinase substrate polypeptide is a substrate for a serine/threonine protein kinase.

7. (Canceled)

8. (Previously Presented) The kit of claim 1 further comprising the specific binding partner.

9. (Previously Presented) The kit of claim 8 wherein the specific binding partner is an antibody.

10. (Previously Presented) An antibody specific for the epitope formed by the amino acid sequence of SEQ ID NO: 6.

11. (Previously Presented) An antibody specific for the epitope formed by the amino acid sequence LpSFAEPG (SEQ ID NO: 7).

12. (Currently Amended) A polypeptide of less than ~~40, 30, 20, 19, 18, 17, 16, 15, or 14~~ 13 amino acids in length wherein the polypeptide is not a fragment of glycogen synthase kinase